



Sustainable Particle Foam Technology

EPERAN™-PP WITH POST-CONSUMER RECYCLED (PCR) CONTENT

Committed to sustainability, Kaneka incorporates a circular economy approach by offering foam particles with Post-Consumer Recycled (PCR) content. The **“30% PCR recycled grades”** are available in both medium and high-density variants, as well as in dissipative materials, and can serve as drop-in replacements for equivalent virgin grades.

EPERAN™-PP R30 grades yield at least a 19% reduction in environmental impact*.



* LCA from cradle to gate in 20 different impact categories, including global warming potential.

ECO-FRIENDLY END-OF-LIFE WITH KANEKA GREEN PLANET™ EXPANDED BEADS

KANEKA Biodegradable Polymer Green Planet Expanded Beads are the result of Kaneka’s sustainable innovation spirit. No matter where this material ends up, it will degrade into water, CO₂, and biomass by the microorganisms available in nature. Suitable for innovative packaging or other shaped parts, the foam particles can be molded with existing equipment having equivalent features as polyolefin foams.

This material is considered microplastics free.*

With Green Planet™, Kaneka is committed to plastic waste reduction and the advanced use of renewable raw material sources.



* This material has been officially excluded from the definition of synthetic polymer microparticles under EU Commission Regulation 2023/2055.

DOCUMENT REFERENCE

Handout Eperan™ series | Version 1.0 | 2025 © KANEKA BELGIUM NV

EPERAN™-PP

EPERAN™-PP

EPERAN™-PP can be easily molded into complex shapes, allowing for a wide range of design possibilities using established steam chest molding techniques. Its outstanding mechanical properties make EPERAN™-PP an ideal choice for various applications in the automotive industry, engineering products, returnable containers, cushioning, protective packaging, and much more. Composed entirely of polypropylene, this thermoplastic material is also easy to recycle.

HALOGEN-FREE FLAME-RETARDANT EPERAN™-PP

Kaneka has introduced flame retardancy in expanded polypropylene to create new opportunities across various applications and markets. This 100% halogen-free material demonstrates excellent flame-retardant properties and produces non-toxic smoke in case of a fire. As a result, it is suitable for use in electronic appliances, construction, HVAC systems, and even in public transportation and aerospace applications.

COLORLED EPERAN™-PP

EPERAN™-PP is available in a variety of colors, making it easy to visually distinguish or create attractive products.

DISSIPATIVE EPERAN™-PP

This material's exceptional electrostatic conductive properties make it highly suitable for use in ESD-protected areas required in the telecommunications, IT, and electronics industries. Additionally, it is ideal for securing and packaging ESD-sensitive products in the automotive sector and other industries.

V-GRADE EPERAN™-PP

Kaneka was a pioneer in developing beads with a very small diameter, which enables the production of extremely thin-walled products, such as shell-type sun visors. These tiny beads ensure outstandingly stable dimensional tolerances, shorter impregnation and molding cycles, easy filling, and better fusion for any type of molding.

EPERAN™

EPERAN™-PE

EPERAN™ expanded polyethylene foam is well known for its smooth appearance, chemical resistance, strength, and flexibility. When subjected to shock resulting from, e.g., accidental drop, or to vibration in transit, EPERAN™ can easily absorb stress and will not break or deform in normal use, thus giving excellent protection to sensitive products. Its remarkable softness makes EPERAN™ an outstanding product for safeguarding delicate products from scratches or marks. While EPERAN™ is primarily used in packaging, it is also suitable for applications in automotive, leisure, and various other industries.

ADDITIONAL INFORMATION

For more information on specific use, please contact .

FOAM & RESIDENTIAL TECHS TEAM

EPERAN™-PP & EPERAN™ |

KANEKA Biodegradable Polymer Green Planet™ Expanded Beads

Email: info.EPERAN@kaneka.be

Disclaimer

All data in this document are for general information purposes only. They are based on tests performed to the best of our knowledge and experience, using typical EPP molding equipment under Kaneka's standard conditions. As many properties depend largely on part shape and size, as well as on molding parameters, these data can only be considered indicative. Any data herein may change without prior notice. While we endeavor to keep the information up to date and correct according to the state of the art, we make no representations or warranties of any kind, express or implied, regarding the completeness, accuracy, reliability, or suitability of these data. Any reliance you place on this information is therefore strictly at your own risk. The user itself is responsible for testing the products in order to find out and to determine whether these are suitable for the application, as well as to observe any industrial property rights and existing laws and regulations. In no event will we be liable for any loss or damage (including, without limitation, indirect or consequential loss or damage, or any loss or damage whatsoever arising from loss of profits) arising out of, or in connection with, the use of this information and/or the use, handling, processing, or storage of this product.

SUPPLIER

KANEKA BELGIUM NV
Nijverheidsstraat 16, B - 2260 Westerlo, BELGIUM
www.kaneka.be



[linkedin.com/company/Kaneka-Belgium-NV](https://www.linkedin.com/company/Kaneka-Belgium-NV)

FOLLOW US: